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Amended claims

1. (Currently Amended) In a system for scheduling a first process, comprising a set of tasks, to be performed by at least one individual to support healthcare delivery, a method for processing an event representing a change in circumstances potentially affecting healthcare delivered to a patient, comprising the ~~steps~~ activities of:

associating in a repository, at least one event potentially affecting healthcare delivered to a patient with a sequence of tasks to be performed to support healthcare delivery to said patient;

receiving a message identifying occurrence of ~~an~~ said event ~~potentially affecting healthcare delivered to a patient~~;

~~in response to said occurrence of said identified event~~,

determining by using said repository, a particular sequence of tasks to be performed, in response to receiving said message identifying occurrence of said event; and

initiating scheduling of performance of said particular sequence of tasks by at least one individual in response to receiving said message identifying occurrence of said event and determination pre-conditions associated with said task sequence are satisfied.

2. (Currently Amended) A method according to claim 1, including

in response to examining predetermined information and said occurrence of said identified event, ~~performing at least one of the steps of~~

~~(a) adding said particular tasks to an existing scheduled-task-sequence, and~~

~~(b)~~ substituting at least one of said particular tasks for a task of an existing scheduled task sequence.

3. (Currently Amended) A method according to claim 1, wherein

said message includes an event identifier identifying said event and is generated by a second process comprising a second set of tasks and including the ~~step~~ activity of

also receiving ~~at least one of, (a) a process identifier, (b)~~ an identifier identifying a particular instance of said first process.

4. (Original) A method according to claim 3, wherein

said particular instance of said first process comprises a particular use of said process for a specific patient.

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5. (Currently Amended) A method according to claim 1, including the ~~steps~~ <u>activities</u> of

    filtering a plurality of received messages to identify said message identifying occurrence of an event potentially affecting healthcare delivered to a patient and

    excluding other messages immaterial to said healthcare delivered to said patient.

6. (Currently Amended) A method according to claim ~~5~~ <u>1</u>, including the ~~step~~ <u>activity</u> of

    ~~filtering said plurality of received messages based on an event identifier~~

    <u>associating in a repository, said event with a process instance identifier identifying an instance of a process comprising said sequence of tasks.</u>

7. (Original) A method according to claim 1, wherein

    said message includes an event identifier identifying said event and a process identifier identifying a target process to be replaced by a predetermined process comprising said particular tasks.

8. (Currently Amended) A method according to claim 7, and including the ~~step~~ <u>activity</u> of

    searching a database containing records indicating active processes and process instances to identify active process instances of said target process to be replaced.

9. (Original) A method according to claim 1, wherein

    said event comprises at least one of, (a) an event resulting from action by healthcare personnel, (b) an event generated by an operating process, (c) an event generated by patient monitoring equipment and (d) an event generated by a medical device.

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10. (Currently Amended) A method according to claim 1, including the step ~~step~~ activity of

receiving information identifying a particular individual task of an existing scheduled task sequence and including the ~~step~~ activity of

adapting said existing scheduled task sequence by initiating processing of said existing scheduled task sequence from said identified particular individual task in response to occurrence of said event.

11. (Currently Amended) In a system for scheduling a process, comprising a set of tasks, to be performed by at least one individual to support healthcare delivery, a method for processing an event representing a change in circumstances potentially affecting healthcare delivered to a patient, comprising the ~~steps~~ activities of:

associating in a repository, at least one event potentially affecting healthcare delivered to a patient with a process comprising a sequence of tasks to be performed to support healthcare delivery to said patient;

receiving at least one message identifying occurrence of ~~an~~ said event and at least one parameter associated with said event;

determining by using said repository, whether said identified event is associated with a ~~predetermined~~ particular process of a plurality of predetermined processes;

providing said parameter to said ~~predetermined~~ particular process in response to said determination said identified event is associated with said particular process; and

initiating scheduling of performance of said ~~predetermined~~ particular process in response to ~~occurrence of said identified event~~ receiving said message identifying occurrence of said event and determination pre-conditions associated with said task sequence are satisfied.

12. (Original) A method according to claim 11, wherein

said associated parameter is for use by multiple different process task sequences and is stored at a location available for access by said multiple different process task sequences.

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13. (Currently Amended) A method according to claim 11, including the ~~step~~ <u>activity</u> of

verifying said associated parameter is compatible with predetermined value criteria as a pre-condition to providing said parameter to said predetermined process.

14. (Currently Amended) A method according to claim 11, including the ~~steps~~ <u>activities</u> of

filtering a plurality of received messages to identify said at least one message identifying said occurrence of said event and

excluding other messages.

15. (Currently Amended) A method according to claim 11, including the ~~step~~ <u>activity</u> of

replacing scheduling of performance of another process with said scheduling of performance of said identified process.

16. (Original) A method according to claim 11, wherein

said at least one message includes a process identifier identifying a target process to be replaced by said predetermined process.

17. (Currently Amended) A method according to claim 16, including the ~~step~~ <u>activity</u> of

searching a database containing records indicating active processes and process instances to identify active process instances of said target process to be replaced.

18. (Currently Amended) A method according to claim 11, including the ~~step~~ <u>activity</u> of

receiving information identifying active process instances and storing records in a database indicating said identified active process instances.

19. (Currently Amended) A method according to claim ~~16~~ <u>11</u>, wherein ~~said target process is a default process~~

<u>associating in a repository, said event with a process instance identifier identifying an instance of said process comprising said sequence of tasks.</u>

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20. (Currently Amended) In a system supporting scheduling of a plurality of processes comprising different sets of tasks to be performed by at least one individual, a method for processing an event representing a change in circumstances potentially affecting healthcare delivered to a patient, comprising the ~~steps~~ activities of:

associating in a repository, at least one event potentially affecting healthcare delivered to a patient with a process instance identifier identifying an instance of a process comprising a sequence of tasks to be performed to support healthcare delivery to a patient;

in response to occurrence of an event in a first process,

receiving at least one message identifying ~~said event occurring~~ occurrence of said event during said first process and identifying a parameter associated with said event;

acquiring said parameter associated with said event and providing said parameter to an instance of a second process identified using said repository; and

adapting said instance of said second process by scheduling performance of a particular set of tasks in response to receiving said at least one message.

21. (Currently Amended) A method according to claim 20,

including the ~~step~~ activity of receiving an identifier identifying a particular individual task in said second process and wherein

said adapting ~~step~~ activity comprises initiating processing of said second process from said particular individual task in response to receiving said at least one message identifying occurrence of said event and determination said parameter is within predetermined acceptability criteria.

22. (Original) A method according to claim 20, wherein

said parameter associated with said event is stored at a location available for access by said first and second processes.

23. (Currently Amended) A method according to claim 20, including the ~~step~~ activity of

sharing data between said first and second process comprising sharing at least one of, (a) an event identifier identifying said event, (b) a process identifier identifying said first ~~process,~~ and (c) an identifier identifying a particular instance of said first process ~~and (d) an identifier identifying a particular individual task in a process.~~

24. (Original) A method according to claim 20, wherein

said at least one message includes a process identifier identifying said second process is to be modified in response to occurrence of said event in said first process.

25. (Currently Amended) A method according to claim 20, including the ~~step~~ activity of

searching a database containing records indicating active processes and process instances to identify active process instances of said second process to be modified in response to receiving said at least one message.

26. (Currently Amended) A system for processing an event representing a change in circumstances potentially affecting healthcare delivered to a patient, said system being for use in scheduling a first process comprising a set of tasks to be performed by at least one individual to support healthcare delivery, comprising:

at least one repository associating at least one event potentially affecting healthcare delivered to a patient with a sequence of tasks to be performed to support healthcare delivery to said patient;

a communication interface for receiving a message identifying occurrence of ~~an~~ said event ~~potentially affecting healthcare delivered to a patient~~;

an event analyzer for using said at least one repository and for applying predetermined rules to interpret said identified event to determine a particular sequence of tasks to be performed in response to receiving said message identifying occurrence of said identified event; and

a processor for initiating scheduling of performance of said particular tasks by at least one individual in response to said occurrence of said identified event and determination pre-conditions associated with said task sequence are satisfied.

27. (Currently Amended) A system according to claim 26, wherein ~~said event analyzer at least one of:~~

~~(a) adds said particular tasks to an existing scheduled task sequence,~~ and

~~(b) substitutes at least one of said particular tasks for a task of an existing scheduled task sequence~~

said at least one repository associates said at least one event with a process instance identifier identifying an instance of a process comprising said sequence of tasks.